

FILE 'HCAPLUS, WPIDS, CABA, CROPB, CROPU' ENTERED AT 18:37:31 ON 21 MAY 2005

L1 2 S ASPARAGINE (100A) (BAIT# (20A) (INSECT# OR ANT OR ANTS OR FIR

FILE 'STNGUIDE' ENTERED AT 18:39:52 ON 21 MAY 2005

FILE 'FSTA' ENTERED AT 18:40:09 ON 21 MAY 2005

L2 50 S ASPARAGINE (25A) (SUCROSE OR SUGAR)

FILE 'STNGUIDE' ENTERED AT 18:41:13 ON 21 MAY 2005

=> d que l1; d que l2

L1 2 SEA ASPARAGINE (100A) (BAIT# (20A) (INSECT# OR ANT OR ANTS OR
FIREANT# OR COCKROACH? OR ROACH OR ROACHES))

L2 50 SEA FILE=FSTA ASPARAGINE (25A) (SUCROSE OR SUGAR)

FILE 'HCAPLUS' ENTERED AT 18:37:31 ON 21 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 18:37:31 ON 21 MAY 2005
COPYRIGHT (C) 2005 THE THOMSON CORPORATION

FILE 'CABA' ENTERED AT 18:37:31 ON 21 MAY 2005
COPYRIGHT (C) 2005 CAB INTERNATIONAL (CABI)

FILE 'CROPB' ENTERED AT 18:37:31 ON 21 MAY 2005
COPYRIGHT (C) 2005 THE THOMSON CORPORATION

FILE 'CROPU' ENTERED AT 18:37:31 ON 21 MAY 2005
COPYRIGHT (C) 2005 THE THOMSON CORPORATION

=> s asparagine (100a) (bait# (20a) (insect# or ant or ants or fireant# or
cockroach? or roach or roaches))

L1 2 ASPARAGINE (100A) (BAIT# (20A) (INSECT# OR ANT OR ANTS OR FIREAN
T# OR COCKROACH? OR ROACH OR ROACHES))

=> d 1-2 bib hit

L1 ANSWER 1 OF 2 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
AN 2004-226315 [21] WPIDS
DNN N2004-178886 DNC C2004-089205
TI Insect bait, useful to attract and control e.g. ants, flies, silverfish
and cockroaches, comprises a plurality of amino acids, a sugar and a
preservative.
DC C03 P14
IN SCHEFFRAHN, R H; WARNER, J R
PA (SCHE-I) SCHEFFRAHN R H; (WARN-I) WARNER J R; (UYFL) UNIV FLORIDA
CYC 105
PI WO 2004012505 A2 20040212 (200421)* EN 31
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS
LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH
PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN
YU ZA ZM ZW
US 2004057976 A1 20040325 (200422)
AU 2003261388 A1 20040223 (200453)
ADT WO 2004012505 A2 WO 2003-US24530 20030806; US 2004057976 A1 Provisional US
2002-401456P 20020806, US 2003-635310 20030806; AU 2003261388 A1 AU
2003-261388 20030806
FDT AU 2003261388 A1 Based on WO 2004012505
PRAI US 2002-401456P 20020806; US 2003-635310 20030806
AB WO2004012505 A UPAB: 20040326
NOVELTY - Insect bait (I) comprises a plurality of amino acids (A), a
sugar (B) and a preservative (C).
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for
(1) an **insect bait** (II) comprising a plurality of
amino acids (A) (where one of the amino acids is **asparagine**) and
a sugar (B);
(2) controlling insects at a location; and
(3) the preparation of granular insect bait.
USE - Application of (I) in a location is useful to control insects
(claimed) e.g. ants (preferred), flies, silverfish or roaches. (I) is also
useful as an insect feed that provides an attractive and nutritious food
source for insects in entomological research laboratories.
Dwg.0/4

TECH

UPTX: 20040326

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Composition: At least one amino acid in (I) is **asparagine**. (A) comprises 2-7 g/100 ml of **insect bait**. (B) comprises 20-60 g/100 ml of **insect bait**. The preservative is sodium benzoate, citric acid, disodium octaborate tetrahydrate or a mixture of sodium benzoate and citric acid. (I) further comprises an insect toxicant (disodium octaborate tetrahydrate, thiamethoxam (both preferred), orthoboric acid, borax, imidacloprid or indoxacarb) (preferably an **insect growth regulator**) at a concentration of 1-100 ppm of **insect bait**.

Preferred Process (claimed): Controlling **insects** at a location comprises

- (a) sampling nectars and/or honeydews from the location;
- (b) determining the compositions of the nectars or honeydews;
- (c) formulating a mimic from the compositions;
- (d) combining the mimic with an insect toxicant; and
- (e) applying the mimic and insect toxicant combination to the location.

Preparation (claimed): Preparation of granular insect bait comprises

- (a) mixing a lipid-containing substance and (I) with a granular carrier until the carrier has absorbed at least a portion of the mixture; and
- (b) subjecting the carrier to heat until it retains about 8-13% moisture.

Preferred Components: The carrier is corn grits and the lipid-containing substance comprises oil (preferably olive oil).

L1 ANSWER 2 OF 2 CROPU COPYRIGHT 2005 THE THOMSON CORP on STN
AN 1999-81904 CROPU G I
TI Ant bait comprises swollen liquid absorbing polymer carrying insecticide.
IN ---
PA Earth-Seiyaku
LO Jap.
PI JP 10291901 A 19981104
AI JP 1997-33782 19970218
JP 1998-35057 19980217
DT Patent
LA Japanese
OS WPI: 1999-029007 [03]
FA AB; LA; CT
AB An ant bait is claimed, comprising a granular body composed of a swollen liquid absorbing polymer carrying an insecticide (e.g. fipronil at 0.002%). The composition is claimed to be useful for controlling **ants**, e.g. *Tetramorium caespitum*, *Formica japonica*. The **bait** is convenient for **ants** to eat; it is composed of a liquid absorbing polymer in a stable state, and can be formulated as a gel, which can act effectively on a variety of **ants** including honey-sucking types. It can be produced using conventional techniques at low cost, and can be combined with **baits** in other dosage forms, exerting attractant effects on a wide variety of **ants**. Other constituents can include potassium sorbate, sorbitol, **asparagine**, glutamine and glycerol.